

Net Neutrality

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Presentation Outline

- Net Neutrality (NN)
- Political Issues
- Technical Issues
- Current Fight and its players
- Our take on Net Neutrality

What is Net Neutrality?

- First Amendment
- Free and Open internet
- Dumb Networks
- No Discrimination

Advantages of NN

- Consumer made the choice
- Kept Network companies out of consumers wallet
- “Innovation without permission”
- Merit of the service decided success

Why???

- Why is it an issue now?
 - Extensive Growth of Internet Based Economy
 - Who Captures The Value

Why Not Net Neutrality

- DOS Attack
- QoS
 - If net neutrality, it is hard to guarantee the quality of service
- Right for Company to get better services
- Public Network Building (e.g. MetroNetwork)
 - ISPs need to make money

Law

- In the early 2000s, legal scholars such as Tim Wu and Lawrence Lessig raised the issue of neutrality
- The FCC subsequently adopted principles which ensured "consumers are entitled to access the lawful Internet content of their choice."
- In 2006 a bill called Communications Opportunity, Promotion and Enhancement Act of 2006 was introduced in the US House of Representatives,
- An attempt to amend the bill by Democrat Ed Markey with additional network neutrality regulations banning fee-based Quality of Service offerings was defeated 269-152.

Landmarks

- 1980s : Internet for commercial use
- Late 1990s: Audio, video devices to Internet
- Early 2005: FCC vs. Madison River Comm.
- Late 2005 : FCC hands over total control to Telcomm companies
- Early 2006: ‘Save the Net’ created and also Tired Networks were proposed.

Technical issues with NN

- Network control
 - Paying for the convenience of accessing sites faster verses taking the slower lanes.
 - Filtering and slowing down website of competitors
 - Broadband providers blocked VoIP connections until consumers filed lawsuits to FCC to have those connections unblocked.

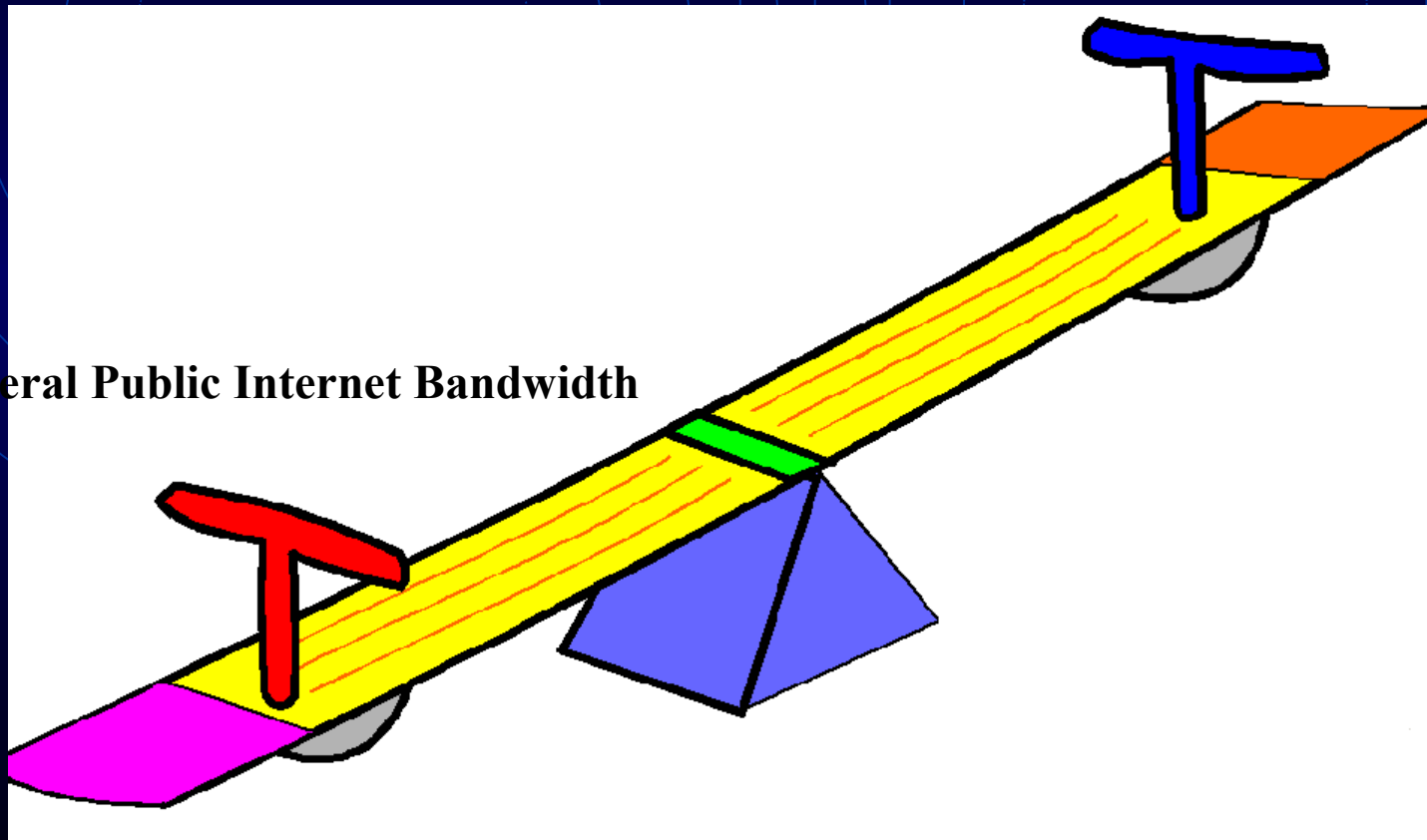
Little Competition

- 98% of all internet users use either cable or DSL.
- Forces to use available services

Bandwidth

Voice and Data companies Bandwidth

General Public Internet Bandwidth



Potential Winners and Loser

- **Winners**
 - General public
 - Internet-based companies
 - VOIP
- **Losers**
 - Internet service providers
 - Network equipment manufactures

Personal Opinions

- ??????